Claim Amendments

Please amend claims 1 and 15 as follows.
Please cancel 24 as follows.

1. (currently amended) A method for for isotropically trimming semiconductor feature sizes with improved critical dimension uniformity over a process wafer surface comprising the steps of:

providing a substrate comprising an uppermost patterned hard mask nitride layer free of overlying photoresist;

isotropically wet etching the patterned hard mask to isotropically reduce the patterned hard mask dimensions wherein the wet etching rate is reduced as a critical dimension is approached and wherein the wet etching process is selected from the group consisting of spin-spray etching and immersion etching; and,

plasma etching through a thickness portion of the substrate according to the <u>patterned</u> hard mask <u>following</u> the wet etching <u>process</u> to form the semiconductor feature.

2. - 4. (cancelled)

A. (previously presented) The method of claim 1, wherein the hard mask comprises a material selected from the group consisting of silicon nitride, silicon oxynitride, and titanium nitride.

- (previously presented) The method of claim 1, wherein the substrate comprises a polysilicon layer overlying a silicon substrate.
 - 7. (cancelled)
- 8. (previously presented) The method of claim 1, wherein the spin-spray wet etching process comprises simultaneously spinning the semiconductor wafer while spraying a wet etching solution onto the hard mask.
- 9. (previously presented) The method of claim 8, wherein simultaneously spinning comprises a spin rate of about 300 to about 2000 revolutions per minute.
- wet etching solution comprises hydrofluoric acid (NF) and glycol.
- 11. (original) The method of claim 10, wherein the wet etching solution has a temperature of about 20°C to about 90°C.
- 12. (previously presented) The method of claim 11, wherein the wet etching solution comprises about of 1 part HF to 10 parts glycol to about 1 part HF to 100 parts glycol.

- 9 13. (previously presented) The method of claim 8, wherein the wet etching solution comprises (H_2O) and hydrofluoric acid (HF).
- 14. (previously presented) The method of claim 1, wherein the step of isotropically wet etching comprises immersion in a wet etching solution comprising phosphoric acid at a temperature of about 150°C to about 180°C.
- 15. (currently amended) A method for forming gate structures with improved CD uniformity across a semiconductor wafer process surface comprising the steps of:

providing a semiconductor wafer comprising a nitride layer overlying a polysilicon containing layer;

photolithographically patterning a photoresist layer over the nitride layer to form a patterned etching surface;

plasma etching through a thickness of the the nitride layer to form a hard mask;

removing the photoresist layer to form, a wet etching surface comprising sidewalls and an upper surface of the hard mask;

isotropically wet etching the hard mask according to a spin-spray process comprising HF to isotropically reduce the hard mask dimensions wherein the wet etching rate is reduced as a critical dimension is approached; and,

plasma etching through the polysilicon layer according to the hard mask to form a gate structure.

- 16. (previously presented) The method of claim 15, wherein the step of isotropically wet etching comprises an etching solution with a temperature of about 20°C to about 90°C.
- step of isotropically wet etching comprises the steps of simultaneously spinning the semiconductor wafer while spraying an etching solution onto the wet etching surface.
- 18. (previously presented) The method of claim 15, wherein the step of isotropically wet etching comprises a wet etching solution comprising HF and glycol.
- 19. (previously presented) The method of claim 18, wherein the wet etching solution comprises 1 part HF to 10 parts glycol to about a ratio of 1 part HF to 100 parts glycol.
- 26. (previously presented) The method of claim 15, wherein the hard mask dimensions following the isotropic wet etching process comprise a width reduced from about 50 percent to about 90 percent.

hard mask dimensions following the isotropic wet etching process comprise a width reduced from about 50 percent to about 90 percent.

() 2%. (previously presented) The method of claim 8, wherein the wet etching solution comprises HF.

(previously presented) The method of claim 17, wherein simultaneously spinning comprises a spin rate of about 300 to about 2000 revolutions per minute.

24. (cancelled)